

ABSTRACT

An electrical connector assembly for electrically coupling two components, such as two circuit boards, comprises a socket coupled to a first component and a blade coupled to a second component. The socket includes at least a first and a second conductive engagement member arranged on opposite sides of a spatial gap. The blade includes at least a first and a second conductive pad arranged on opposite sides of an insulator. The blade has a width complementary to the socket's spatial gap such that when inserted into the spatial gap the blade's first conductive pad forms an electrical contact with the socket's first conductive engagement member and the blade's second conductive pad forms an electrical contact with the socket's second conductive engagement member. The blade comprises first and second connector mechanisms that are arranged off-set from each other for electrically coupling the first and second conductive pads, respectively, to the second component.